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37. An isolated polypeptide comprising an amino acid sequence as set forth in SEQ ID NO:115 or an amino acid sequence comprising an immunogenic portion of SEQ ID NO:115.

- 38. A fusion protein comprising a polypeptide according to claim 37.
- 39. A composition comprising a polypeptide of claim 37 or a fusion protein of claim 38; and a physiologically acceptable carrier.
- 40. The composition of claim 39, further comprising a non-specific immune response enhancer.
- 41. The composition of claim 40, wherein the non-specific immune response enhancer is an adjuvant.
- 42. A method for detecting tuberculosis in a subject, said method comprising the steps of :
- (a) obtaining a biological sample comprising peripheral blood mononuclear cells from the subject;
  - (b) measuring cytokine production by the cells, and
- (c) contacting the cells with a polypeptide of claim 37; thereby detecting tuberculosis in a subject.
  - 43. The method of claim 42, wherein the cytokine is interferon gamma.
- 44. The method of claim 42, wherein the peripheral blood mononuclear cells are lymphocytes.
  - 45. The method of claim 42, wherein the sample is a blood sample.



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46\ A method for detecting tuberculosis in a subject, said method comprising the steps of:

- (a) obtaining a biological sample from the subject;
- (b) contacting the biological sample with a polypeptide of claim 37, and
- (c) detecting an antibody in the sample, thereby detecting tuberculosis in the subject.
  - 47. The method of claim 46, wherein the sample is a blood sample.
- 48. A method for detecting tuberculosis in a subject, said method comprising the steps of:
  - (a) contacting dermal cells of the subject with a polypeptide of claim 37, and
- (b) detecting an immune response on the subject's skin, thereby detecting tuberculosis in the subject.
  - 49. The method of claim\48, wherein the immune response is induration.
  - 50. A diagnostic kit comprising:
  - (a) a polypeptide of claim 37; and
- (b) apparatus sufficient to contact the polypeptide with the dermal cells of a patient.
- 51. A method of eliciting an immune response in a subject, the method comprising the steps of administering to the subject an immunogenically effective amount of a composition comprising a polypeptide comprising an amino acid sequence as set forth in SEQ ID NO:115 or an amino acid sequence comprising an immunogenic portion of SEQ ID NO:115, and a physiologically acceptable carrier.

